LineUp With Math[TM] Alignment
Mathematics Content Standards and Objectives

Standard 3: Geometry (MA.S.3)

Students will:
- analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships;
- specify locations and describe spatial relationships using coordinate geometry and other representational systems;
- apply transformations and use symmetry to analyze mathematical situations; and
- solve problems using visualization, spatial reasoning, and geometric modeling

through communication, representation, reasoning and proof, problem solving, and making connections within and beyond the field of mathematics.

Geometry Objectives Students will: AGP.3.7 investigate similar triangles and apply proportions in problem solving situations.	*LineUp With Math*[TM] **Activities** --Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

Standard 4: Measurement (MA.S.4)

Students will:
- demonstrate understanding of measurable attributes of objects and the units, systems, and processes of measurement; and
- apply appropriate techniques, tools and formulas to determine measurements

through communication, representation, reasoning and proof, problem solving, and making connections within and beyond the field of mathematics.

Measurement Objectives Students will: AGP.4.1 estimate, measure, and perform operations involving length, mass, and capacity using customary and metric units.	*LineUp With Math*[TM] **Activities** --Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. --Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.